Monday. 3/17/2008 12:00:05 PM Kim Johnston User: **Process Sheet** : CU-DAR001 Dart Helicopters Services **Drawing Name** : VALVE ASSEMBLY (1/4") Customer Job Number : 38056 : 10962 **Estimate Number** : D20014 **Part Number** P.O. Number D2001 REV C : 3/17/2008 S.O. No. : **Drawing Number** This Issue : N/A : NC Prsht Rev. Project Number : 11 : PURCHASED PARTS : C First Issue Type **Drawing Revision** : 34235 Previous Run Material **Due Date** : 3/24/2008 Qty: 12 Um: Each Written By Checked & Approved By : Est. 04.07.06 New Issue KJ/RF Comment **Additional Product** Job Number: Description: Seq. #: Machine Or Operation: 1.0 PURCHASING Comment: PURCHASING CL08103117. 5933 Issue P/O: P/N: 76-101-32 (1/4 NPT) Possible Supplier: Flo-Control Inc. Material release note is required 2.0 7610132 VALVE Comment: Qty.: 1.0000 Each(s)/Unit Total: 12.0000 Each(s) **VALVE** PACKAGING RESOURCE #1 3.0 PACKAGING ¹ Comment: PACKAGING RESOURCE #1 Recieive & Inspect for Transit Damage Ensure Material Release Note is attached 4.0 QC6 Comment: DIMENSIONAL CHECK 5.0 SMALL FAB 1 SMALL & MEDIUM FAB RESOURCE 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 Remove existing ID numbers and replace with Dart P/N & B/N 1308.03.31

Page 1

Form: mrocess

Dart Aerospace	Ltd-
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Dart Ae	rospace	Ltd								
W/O:			WORK ORDER CHANGES							
DATE	STEP	PRO	OCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	:	PAR #:	Fault Category:	NC	R: Yes	No DQ	A:	Date:		
					QA: N	/C Close	d:	_ Date: _	<u> </u>	
NCR:			WORK ORDER NON-CON	FORMANCE	(NCR	(1)				
		Description of NC	Corrective Actio	n Section B		Verifi	cation	Approval	Approval	
DATE	STEP	Section A	Initial Action Des	Action Description Sign &			Section C		QC Inspector	

NCR:			WORK ORDE	ER NON-CONFORMANO	CE (NCR)						
		Description of NC		Corrective Action Section B	Verification	Annaval	Annaval				
DATE STEP	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector			
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NOTE: Date & initial all entries

Monday, 3/17/2008 12:00:05 PM Date: User:" Kim Johnston **Process Sheet** Drawing Name: VALVE ASSEMBLY (1/4") Customer: CU-DAR001 Dart Helicopters Services Job Number: 38056 Part Number: D20014 Job Number: Seq. #: Description: Machine Or Operation: QC5 INSPECT WORK TO CURRENT STEP 6.0 Comment: INSPECT WORK TO CURRENT STEP PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock 08/04/03 Location:

8.0 QC21

FINAL INSPECTION/W/O RELEASE

08/04/04

Job Completion



Comment: FINAL INSPECTION/W/O RELEASE

W 08-04-63

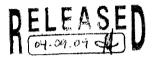
Dart Ae	rospace l	Ltd							
W /O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							in the state of th		
Part No		PAR #:	Fault Categ	jory:	_ NCR: Yes	No DQ	A:	Date: _	
					QA: N	/C Close	d:	_ Date: _	
NCR:		٠١	WORK ORDE	R NON-CONFORM	ANCE (NCR	()			
		Description of NC		Corrective Action Sect	ion B	Verific	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti		Chief Eng	QC Inspector

NOTE: Date & initial all entries

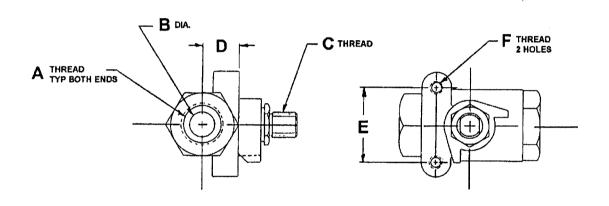




DESIG	<u> </u>	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHEC	KED M	APPROVED	DRAWING NO.	REV. C
	-# -	#	D2001 SHEET	1 OF 1
DATE	•		TITLE	SCALE
04.0	7.06		VALVE ASSEMBLY	NTS
		90.04.02	NEW ISSUE	
Α		92.05.12	-043 ADDED	
В		96.04.10	DART P/N CHG,041-6,042-12,ADD	-16
Ç		04.07.06	ADD D2001-4	



SPECIFICATION CONTROL DRAWING



Dart P/N	Apollo P/N	Α	В	С	D	Е	F
D2001-4	76-101-32	1/4 NPT	0.370	3/8-24 NF	0.56	1.120	10-24 UNC
D2001-6	76-102-01	3/8 NPT	0.370	3/8-24 NF	0.56	1.120	10-24 UNC
D2001-8	76-103-01	1/2 NPT	0.500	3/8-24 NF	0.60	1.120	10-24 UNC
D2001-12	76-104-01	3/4 NPT	0.680	7/16-20 NF	0.79	1.370	10-24 UNC
D2001-16	76-105-01	1 NPT	0.870	7/16-20	0.99	1.370	10-24 UNC

NOTES:

- 1) POSSIBLE SUPPLIER: FLO-CONTROL INC. OR APOLLO VALVE DIVISION
- 2) DISCARD HANDLE AND ATTACHING NUT, EXCEPT FOR D2001-4
- 3) CHECK DIMENSION SHOWN ON THIS DRAWING
- 4) REFERENCE INFORMATION:

MATERIAL: 316 STAINLESS STEEL INVESTMENT CAST COMPONENTS

MEETS NACE-MR-01-75

MEETS WW-V-35C TYPE II, COMP SS, STYLE 3

PRESSURE RATING: 2000 PSI @ 100°F

150 PSI @ 400°F

5) IDENTFY WITH DART P/N & B/N USING FINE POINT PERMANENT INK MARKER

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WITHOUT NOTICE

NO. 3 805 C

Conbraco Industries, Inc.



Page: __

Pit(s) STC _____ Pcs 701 Matthews Mint Hill Rd. Matthews, NC 28105 (704) 847-9191 ** REPRINT ** Ship To: Sold to: KEONK Packed By: 1 Pieces: 3/20/08 DART AEROSPACE Pack Date: 8.60 Weight: FLO-CONTROL INC MAIN FINISHED GOOD LOC Shipped By: KENNETHT 80 CENTER RD Ship Date: 3/25/08 1270 ABERDEEN ST С PPD/COL: ON K6A1K7 HAWKSURY PRO# GA 30121 CARTERSVILLE UNITED STATES ASN# UNITED STATES Ship Via/Instructions: Salesman: Date Received: Order Number: FG01 FDX ACCT# 151793240 Customer Order: Customer Number: 4 3/18/08 C311920 59889 01004667 Customer Part Number / Comments Quantity Quantity Unit Part Description Shipped Line Ordered Part Number Number 0 EΑ BV,1/4"NPT,SS,SS TEE HNDL 1000 7610132A C OF C AND NAFTA CERT EΑ 0 1 CERTIFICATE OF COMPLIANCE 1049 CERTIF01 SHIPPING LOCATION: PAGELAND DISTRIBUTION CENTER PAGELAND, SC 29728 1418 S. PEARL ST. 0

PACKING SLIP



Purchase Order

Date Mar 17, 2008 Page

Purchase Order Number PO00005933

Dart Aerospace Ltd 1270 Aberdeen St

Hawksbury, Ontario K6A 1K7 Phone: (613)632-9577 Fax:

(613)632-1053



Vendor Address:

Fio-Control Inc. 80 Center Rd.

Cartersville, GA 30121 (770) 382-0006 (770) 382-0161 Phone

Fax

Ship To:

Main Finished Goods Location Dart Aerospace Ltd 1270 Aberdeen St

Hawksbury, Ontario K6A 1K7

Total purchase order in

USD Dollars

488.40

						
Reference	Contact	Vendor Number	PO Date	Terms	Ship Via	Expected Arrival
		VU-FL0001	Mar 17, 2008	N30	Fedex	Mar 24, 2008

Qty. Ordered	Item Number	Description	Expected Arrival	Drop- Ship	Unit Cost	иом	Extended Price
12.0000	7610132 C	VALVE on ments: AS PER DWG D20	3/24/2008	No	40.700000	Each	488
	1	P/N: 76-101-32 (1/	NPT)				
		MATERIAL RELEA	SE NOTE RE	UIRED			
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			TODINTY				
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		MOGNETON	NETALES ALLEY				
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		S. Colleges and Section 1	1				
Comments:		Tax Summary:			Less:		
					included tax		0.
					Subtotal		488.
		\mathbf{A}_{i}	4		Total tax		0.
		Entered By: ${\cal C}$	CLAVO	E	Total nurchase		

Approved By:

Marc Bellavance

From: Roberto Fuentes [rfuentes@dartaero.com]

Sent: January 9, 2008 11:23 AM

To: 'Marc Bellavance'
Cc: David Shepherd

Subject: RE: D2001

Hi Marc.

David and I found no problem with this modification manufacture need to do, but we suggest this modification need to reflect in the drawing as an option since this is inconsistent problem.

Roberto

From: Marc Bellavance [mailto:mbellavance@dartaero.com]

Sent: Wednesday, January 09, 2008 7:28 AM

To: 'Roberto Fuentes' Subject: RE: D2001

See pictures attached.

Thanks!

Marc Bellavance Mechanical Designer/Technical Support

DART aerospace Ltd.

Tel: 613-632-5200 Ext. 240

Fax: 613-632-9311

E-mail: mbellavance@dartaero.com

Web: www.dartaero.com

From: Roberto Fuentes [mailto:rfuentes@dartaero.com]

Sent: January 8, 2008 5:13 PM

To: 'Marc Bellavance' Subject: RE: D2001

Hi Marc,

I got both e-mail. Send me the picture of the interference when you have a chance.

Roberto

From: Marc Bellavance [mailto:mbellavance@dartaero.com]

Sent: Tuesday, January 08, 2008 12:45 PM

To: 'Fuentes, Roberto' Subject: FW: D2001 Importance: High

Roberto,

I don't know if you had a chance to reply to the e-mail below.

I just found out (thanks to David) that when George changed my computer, my e-mail address was not setup properly (mbellanance@dartaero.com in stead of mbellavance@dartaero.com). Can you please resend your response at the correct e-mail address by replying to this e-mail?

Thanks and sorry for the inconvenience.

Marc Bellavance Mechanical Designer/Technical Support

DART aerospace Ltd.

613-632-5200 Ext. 240 Tel:

Fax: 613-632-9311

E-mail: mbellavance@dartaero.com

Web: www.dartaero.com

From: Marc Bellavance [mailto:mbellanance@dartaero.com]

Sent: January 8, 2008 11:07 AM

To: 'Fuentes, Roberto' Subject: D2001

Hi Roberto,

Please take a look at the attached drawing:

QC reported that the orientation of the left hexagonal fitting press fitted into the valve housing is inconsistent. Results, when trying to assemble the valve on the heater, there is some interference. They are asking if the parts would be acceptable if machined down as indicated per the provided sketches.

Marc Bellavance Mechanical Designer/Technical Support

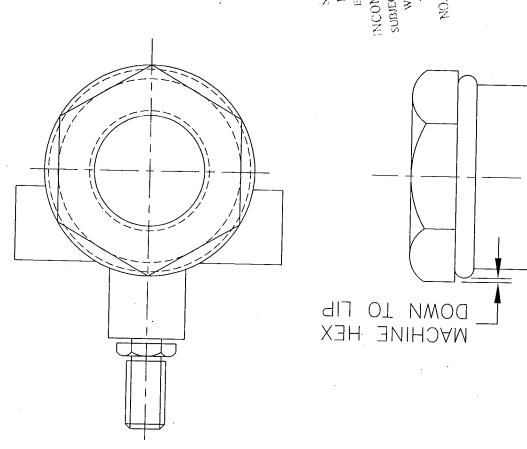
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